

September 9, 2005

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Ms. Marsha Culik
Quality Assurance Manager
STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06468

Dear Ms. Culik:

This correspondence addresses the recent evaluation of STL Connecticut of Shelton, CT for the U.S. Army Corps of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program.

Your laboratory is now validated for the parameters listed below:

| METHOD ⁽¹⁾ | PARAMETERS | MATRIX ⁽²⁾ |
|-------------------------|---------------------------|-----------------------|
| 9056 | Anions ⁽⁵⁾ | Water ⁽³⁾ |
| 9056 Mod. | Anions ⁽⁵⁾ | Solids ⁽³⁾ |
| 9012A | Cyanide | Water ⁽³⁾ |
| 9012A Mod. | Cyanide | Solids ⁽³⁾ |
| 413.1 | Oil & Grease | Water ⁽³⁾ |
| 3510C/3520C/8081A | Organochlorine Pesticides | Water ⁽³⁾ |
| 3541/3550B/8081A | Organochlorine Pesticides | Solids ⁽³⁾ |
| 9065/9066 | Phenolics | Water ⁽³⁾ |
| 3510C/3520C/8082 | Polychlorinated Biphenyls | Water ⁽³⁾ |
| 3541/3550B/8082 | Polychlorinated Biphenyls | Solids ⁽³⁾ |
| 3510C/3520C/8270C | Semivolatile Organics | Water ⁽³⁾ |
| 3541/3550B/8270C | Semivolatile Organics | Solids ⁽³⁾ |
| 3005A/3010A/6010B/7470A | TAL Metals ⁽⁴⁾ | Water ⁽³⁾ |
| 3050B/6010B/7471A | TAL Metals ⁽⁴⁾ | Solids ⁽³⁾ |
| 9060 | Total Organic Carbon | Water ⁽³⁾ |
| 9060 Mod. | Total Organic Carbon | Solids ⁽³⁾ |
| 5030B/5035/8260B | Volatile Organics | Water ⁽³⁾ |
| 5030B/5035/8260B | Volatile Organics | Solids ⁽³⁾ |

- Remarks:
- 1) Sample preparation methods have been added to reflect program policy change.
 - 2) "Solids" includes soils, sediments, and solid waste.

- 3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.
- 4) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.
- 5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

Enclosed for your information is a copy of the Desk Audit Report. No on-site inspection of this laboratory was performed. Your laboratory has responded to the deficiencies as noted in the report. No further responses are necessary.

Based on the acceptable past performance, successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples and review of SOPs and laboratory Quality Management documentation, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation is 18 months and expires on March 9, 2007.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Chung-Rei Mao at (402) 697-2570. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

Enclosure

CF:
CENAN-CO-WD (Thomas Battaglia)
CENAN-ED-HC (Mark Koenig)

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